



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Monday, April 1, 2024
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

EQT PRODUCTION COMPANY
400 WOODCLIFF DR.

CANONSBURG, PA 15317

Re: Permit Modification Approval for HUDSON S-1HM
47-051-02248-00-00

Adding an AST to the pad

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

A handwritten signature in blue ink, appearing to read 'James A. Martin', is positioned above the printed name and title.

James A. Martin
Chief

Operator's Well Number: HUDSON S-1HM
Farm Name: CNX LAND LLC
U.S. WELL NUMBER: 47-051-02248-00-00
Horizontal 6A New Drill
Date Modification Issued: 4/1/2024

Promoting a healthy environment.

04/05/2024

Hudson Well Site

Site Design, Construction Plan, & Erosion and Sediment Control Plans

Tug Hill Operating Marshall County Meade District

Latitude 39.82881036°
Longitude -80.67262857°
Grave Creek Watershed

Pertinent Site Information
Hudson Well Site
Emergency Number: 304-845-1920
Meade District, Marshall County, WV
Watershed: Grave Creek Watershed
Tug Hill Contact Number: 1-817-632-3400

APPROVED
WVDEP OOG
MODIFICATION
4/1/2024



Property Owner Information - Hudson Well Site

Owner	TM	Parcel	Well Pad	Access Road	Topsoil Pile	AML Clearing	Total Disturbed
Robert & Melissa White	3.13	-	0.56	0.13	0.01	1.34	4.13
CNX Land LLC	3.1	6.18	1.36	1.96	1.96	17.80	23.36
Site Totals (Ac)	6.18	1.94	2.13	11.69	32.94		

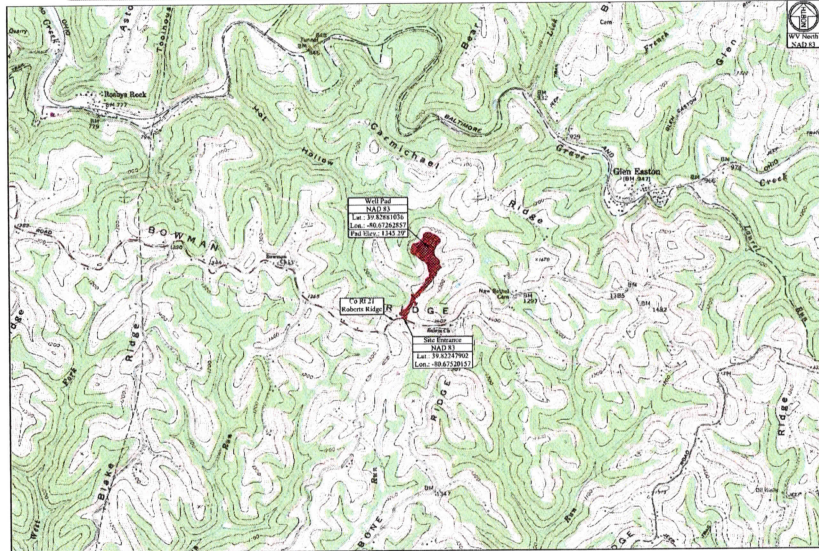
Exhibit A: As-Built

Site Entrance

WVN NAD 83 N: 40344.78	Center of Well Pad	WVN NAD 83 N: 40344.17	Center of Proposed AST
WVN NAD 83 E: 43589.01	WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17
WVN NAD 27 N: 40344.78	WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17
WVN NAD 27 E: 43589.01	WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17

AST Data

WVN NAD 83 N: 40344.17	WVN NAD 83 N: 40344.17
WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17
WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17
WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17



Access Road

Surface Owner	TM	Parcel	Road Length	Type
Robert & Melissa White	3.13	1.36	1.36	New Access Road Construction
CNX and LLC	3.1	6.18	96.76	New Access Road Construction
CNX Land LLC	3.1	1.96	1.96	New Access Road Construction

Disturbed Area

Well Pad Construction	6.18 Ac
Access Road Construction	3.94 Ac
Topsoil Pile	0.01 Ac
Additional Clearing	11.69 Ac
Total Disturbed Area	22.82 Ac

Additional Information

Total Disturbed Area (Estimated)	22.82 Ac
Total Area (Est. of Access Road)	12.552 Ac

Hudson Well Site Quantities

Description	Est. (CY)	Est. (CY)	Spec. (CY)	Reserve (CY)	Max. Wast	Length of Slope
Well Pad	4,038.35	1,000.11	1,000.11	244.50	11.3%	261.50'
Well Pad Access Road	1,000.11	1,000.11	1,000.11	244.50	11.3%	261.50'
Well Pad Access Road Grading	0.01	0.01	0.01	0.01	N/A	0.01'
Access Road Top	0.01	0.01	0.01	0.01	20.14%	75.33'
Topsoil	0.01	0.01	0.01	0.01	19.24%	75.33'
Access Road Top	0.01	0.01	0.01	0.01	N/A	N/A
Topsoil	0.01	0.01	0.01	0.01	19.24%	75.33'
Totals	5,048.51	3,001.25	3,001.25	489.01		

Well Yards

Hudson S-01M	Hudson S-02M	Hudson S-03M	Hudson S-04M	Hudson S-05M
WVN NAD 83 N: 40344.17	WVN NAD 83 N: 40344.17	WVN NAD 83 N: 40344.17	WVN NAD 83 N: 40344.17	WVN NAD 83 N: 40344.17
WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17	WVN NAD 83 E: 40344.17
WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17	WVN NAD 27 N: 40344.17
WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17	WVN NAD 27 E: 40344.17

Project Contacts

Tag Hill Operating
Jonathan White - Regulatory Analyst
734-445-2000 Ext. 304-409-7534 Cell
Jeff Fisher - VP Production
817-632-5300 Off.

Surveys and Engineer
Kearney Kelly
304-736-0925 Cell
John P. See
304-442-0220 Off.
Zackary Summerfield
304-736-0925 Cell

Tag Hill Operating, LLC
180 Southpointe Blvd.
Southpointe Plaza B1, Suite 200
Cranberry, PA 15117

Environmental
Watershed delineation as provided by Arthur Folegny
dated November 6, 2018

Topographic Information:
The topographic information shown herein is based on aerial photography by Blue Mountain Aerial Mapping, Inc., WV

MISS UTILITY OF WEST VIRGINIA
1-800-245-8484
West Virginia State Land
Division
1000 Capitol Ave., S.W.
Charleston, WV 25304
www.missutility.com

811
Know what's below.
Call before you dig.

Site Locations (NAD 27)

Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.82881036	-80.67262857
Center of Well Pad	39.82881036	-80.67262857

Site Locations (NAD 83)

Structure	Latitude (DD)	Longitude (DD)
Site Entrance	39.82881036	-80.67262857
Center of Well Pad	39.82881036	-80.67262857

Approach Routes:

From the intersection of WV Rt 2 and 12th Street in Mountainville, WV. Travel South on WV Rt 2 for 1.3 mi. Turn Left onto WV Rt 2 AB (Round Bottom Hill Rd). Follow WV Rt 2 AB for 1.5 mi. Turn Right onto Co Rt 21 (Roberts Ridge Rd). Follow Co Rt 21 for 8.9 mi. The site entrance will be on the Left (North) side of the road.

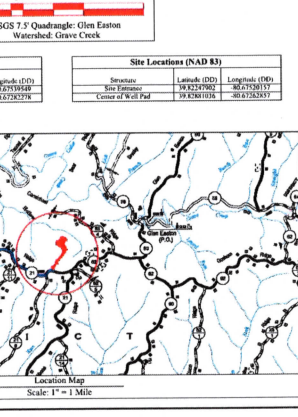
Well Location Restrictions

All Pad construction complete with the following restrictions:

- *25% from an existing well or developed spring used for human or domestic animals.
- *25% from an occupied dwelling or barn greater than 2,000 sq feet for poultry or dairy construction from the center of the pad.
- *50% from the edge of disturbance or a normally rippling stream.
- *1,000' of a surface or ground water banks to a public water supply.

(Well Location Restrictions of WV Code 22-6A-12)

Scale 1" = 1 Mile



RECEIVED
Office Of Oil and Gas
FEB 27 2024

WV Department of Environmental Protection

Shirley Gower
3/19/2024

Sheet

Sheet	Description
V1	Cover Sheet
N1-N4	Schedule of Quantities
1	Site Notes
2	Pre-Construction Site Conditions
3	Site Soil Map
4	Overall Plan View
5-7	Plan View
8-9	Cross Sections - Well Pad
10-11	Cross Sections - Access Road
Q1-Q2	Geotechnical Exhibit
L1	Landowner Disturbed Area Exhibit
S1	Site Reclamation
M1-M3	Production Exhibit
D1-D2	Erosion and Sediment Control Details
R1	Access Road Details
P1	Pad Details

Professional Engineer Seal:
Zackary C. Summerfield
Professional Engineer
No. 22214
WV License No. 22214
Date: 03-20-2024

TUG HILL OPERATING

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

K&S Surveying
1000 Southpointe Plaza, Suite 200
Cranberry, PA 15117

Hudson Well Site
Meade District
Marshall County, WV

Project Location
Marshall County, WV

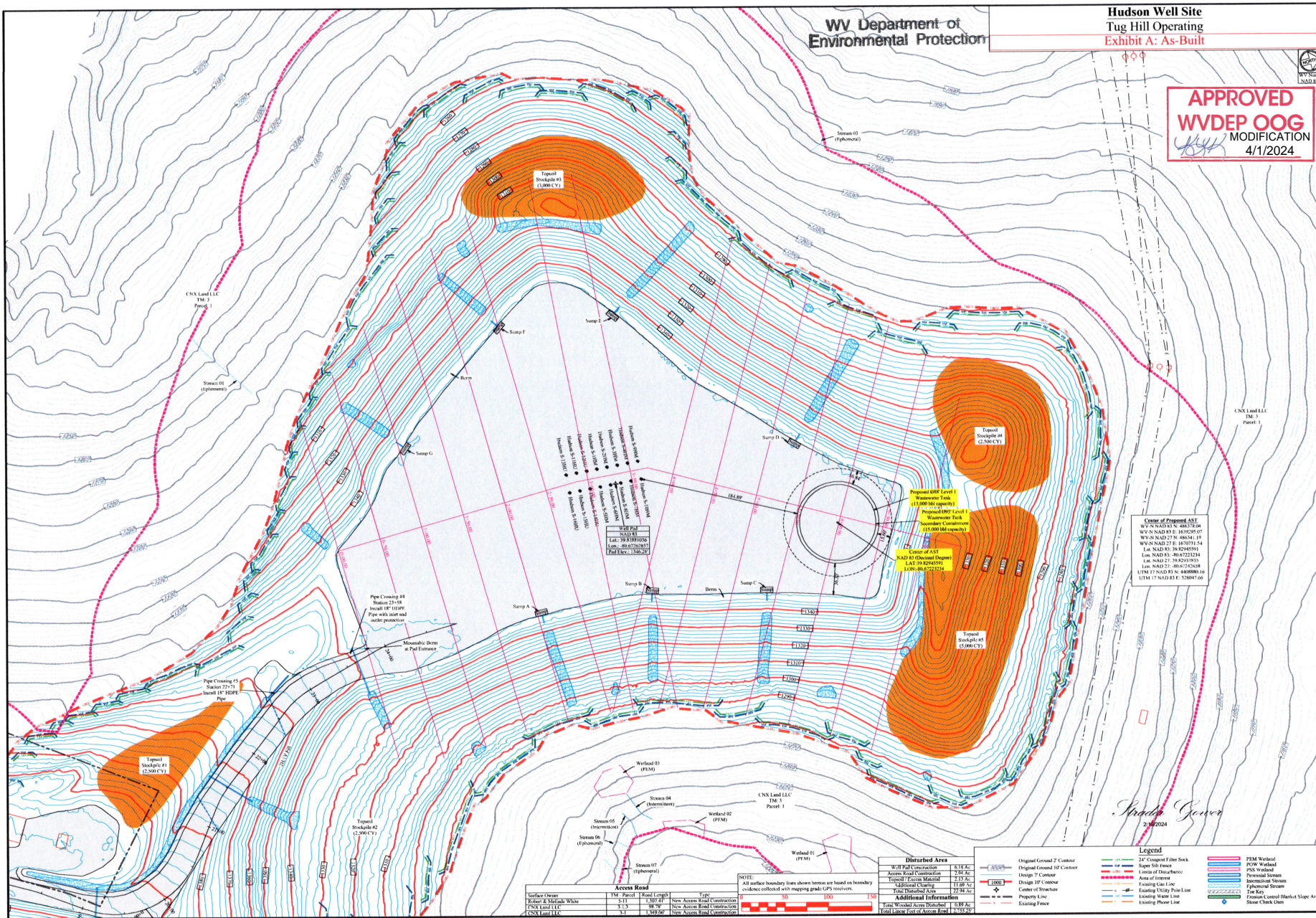
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Designed By: J.S.
File No.:
Sheet 1 of 11

FEB 27 2024

WV Department of
Environmental Protection

Hudson Well Site
Tug Hill Operating
Exhibit A: As-Built

APPROVED
WVDEP OOG
MODIFICATION
4/1/2024



SECTION: AS-Built - Proposed ASST Location

DATE: 02/26/2024

TUG HILL OPERATING

THIS DOCUMENT PREPARED FOR TUG HILL OPERATING

K-Surveying

Site Plan
Hudson Well Site
Menafe District
Marshall County, WV

DATE: 03/04/2021
SCALE: AS SHOWN
DESIGNED BY: ZS
FILE NO.
SHEET 7 OF 11